

Trimble Ranger 3 rugged handheld computer

STANDARD FEATURES

- Texas Instruments AM3715 Sitara™ ARM® Cortex™-A8 processor
- 256 MB of RAM
- 8 GB of Flash storage
- Bluetooth 2.0 +EDR
- Wi-Fi (802.11b/g)
- GPS receiver (SiRFstarIII, SiRFInstantFixII, WAAS / SBAS capable)
- Electronic compass
- Accelerometer
- Three tri-color notification LEDs
- USB 2.0 full speed host port
- USB 2.0 high speed client port
- Serial port, 9-pin RS-232
- Secure Digital (SD/SDHC) card slot
- Microsoft Windows Mobile 6.5 Professional
- 4.2 in (10.6 cm) landscape VGA display, sunlight-readable color TFT
- Resistive touchscreen
- QWERTY keypad with number pad, directional buttons and 4 programmable buttons
- Speaker & microphone
- Headset jack (3.5 mm stereo audio and microphone)
- Operating system language options: Simplified Chinese, English, French, German, Japanese & Spanish (customer selectable on initialization)

OPTIONAL INTEGRATED FEATURES

- 5 MP autofocus camera with dual white LED flash
- 3G GSM cellular data modem
- LED Flashlight function
- 1D barcode laser scanner

STANDARD SOFTWARE

- SMS Text Messaging Support
- Microsoft® Office Mobile Word Mobile
- Excel® Mobile
- PowerPoint Mobile
- Outlook Mobile
- Internet Explorer Mobile
- Trimble SatViewer (GPS interface software application)
- Calculator
- Microsoft Pictures and Videos
- Calendar/Contacts
- Windows Media Player
- Messenger
- Adobe Acrobat Reader
- Notes/Tasks

SOFTWARE FOR OPTIONAL FEATURES

- Customized camera and flash control through Microsoft Pictures & Videos software (geotagging camera software)
- Flashlight mode control application
- Trimble CellStart software application (cellular connection setup)
- Trimble ScanAgent barcode scanning software
- Trimble Ranger 3 Software Development Kit

STANDARD ACCESSORIES

- Rechargeable lithium-ion battery pack
- Hand strap
- Stylus tether
- Clear screen protectors
- Display cleaning cloth
- Quick Start guide sheet
- Getting Started Guide on CD-ROM
- International AC charging kit with four plug adapters
- USB cable
- Stylus with force-modulating spring tip (pkg of 2)
- Audio port dust cover
- I/O port dust cover

OPTIONAL ACCESSORIES

- Standard soft carry case
- Vehicle mount (compatible with RAM mounts)
- Spare battery charger
- 12 V vehicle charger

ENVIRONMENTAL SPECIFICATIONS

Meets or exceeds:

- Water Immersed in 1 m of water for 30 minutes
Water jet 12.5 mm dia. @2.5 m-3 m, 100 Litr/, min; IEC-529, IP67
- Sand & dust 8 hours of operation with blowing talcum powder; IEC-529, IP67
- Drop 26 drops at room temperature from 4 ft (1.22 m) onto plywood over concrete;
6 additional drops at -22 °F (-30 °C);
6 additional drops at 140 °F (60 °C)
MIL-STD-810G, Method 516.6, Procedure IV
- Vibration..... General Minimum Integrity and Loose Cargo test
MIL-STD-810G, Method 514.6, Procedures I, II
- Operating Temperature..... -22 °F to 140 °F (-30 °C to 60 °C)
MIL-STD-810G, Method 501.5, Procedure II
MIL-STD-810G, Method 502.5, Procedure I, II, III
- Storage Temperature..... -40 °F to 158 °F (-40 °C to 70 °C)
MIL-STD-810G, Method 501.5, Procedure II
MIL-STD-810G, Method 502.5, Procedure I, II, III
- Temperature shock..... -31 °F/149 °F (-35 °C/65 °C)
MIL-STD-810G, Method 503.5, Procedure I
- Humidity..... .90%RH temp cycle -4 °F/140 °F (-20 °C/60 °C)
MIL-STD-810G, Method 507.5
- Altitude..... 15,000 ft (4,572 m) at 73 °F (23 °C)
and 40,000 ft (12,192 m) at -22 °F (-30 °C)
MIL-STD-810G, Method 500.5, Procedures I, II, III

PHYSICAL

- Size 10.5 in x 5.2 in x 1.9 in (26.6 cm x 13.1 cm x 4.8 cm)
- Weight 2.3 lb (1.04 kg), including battery and stylus
- Color Black with Yellow face

ELECTRICAL

- Processor..... TI AM3715 Sitara ARM Cortex-A8 Processor at 800 MHz
- Memory..... 256 MB RAM
- Storage 8 GB non-volatile Flash
- Expansion SD/SDHC card slot, USB host port
- Display..... 4.2 in (10.6 cm), 640 x 480 pixel, VGA TFT
- Batteries 11.1 V, 2500 mAh, 27.8 Wh Li-ion rechargeable pack¹
- I/O USB host and client; 15 V DC power; 3.5 mm stereo + mic audio port; 9-pin RS-232 serial port
- GPS accuracy..... 2-4 m with SBAS correction²
- Radios Bluetooth 2.0 +EDR; Wi-Fi 802.11b/g
- WWAN radios..... HSDPA 3.6 Mbit/s, Tri-band;
HSDPA/UMTS: 850/1900/2100 MHz, Quad-band;
GSM/GPRS/EDGE: 850/900/1800/1900 MHz

CERTIFICATIONS

FCC, CE, R&TTE, IC (Canada), C-tick, GCF compliant, RoHS compliant, Section 508 compliant, AT&T certified, Wi-Fi Alliance certified, MIL-STD-810G, IP67, MIL-STD-461.

Ranger 3 Configurations						
	Bluetooth	GPS	Wi-Fi	Camera	WWAN	Barcode scanner
3L	x	x	x			
3XC	x	x	x	x	x	
3XE	x	x	x	x	x	x

1. To ensure best performance when temperatures are below -4 °F (-20 °C), be sure battery is inserted in the device only when in use. When device is not in use at these temperatures, keep batteries in a pocket or stored in warmer area.

2. 2-4m (50%-95%) accuracy determined using horizontal Root Mean Squared method - Open Sky.

Color display images shown may vary slightly from actual display. Specifications subject to change without notice.